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2004-10-25 0210-0190PUS1.ST25.txt

## SEQUENCE LISTING

<110> HIRAMATSU, Shingo  
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YAMADA, Katsushige  
TAMURA, Toshiki

<120> PRODUCTION OF PHYSIOLOGICALLY ACTIVE PROTEINS USING GENE RECOMBINANT SILKWORMS

<130> 0210-0190PUS1

<140> US 10/506,327

<141> 2004-09-02

<150> PCT/JP03/02675

<151> 2003-03-06

<160> 38

<170> Patent-In 3.2

<210> 1

<211> 1910

<212> DNA

<213> Artificial Sequence

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<223> sericin-1 gene promoter-feline interferon-w-bovine growth hormone poly A  
addition sequence

<220>

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<222> (1071)...(1652)

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<222> (1071)...(1139)

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<222> (1140)...(1652)

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Met Ala

1

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&lt;211&gt; 1172

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; fibroin H chain gene promoter-feline interferon-w-bovine growth hormone poly A addition sequence

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (333)...(914)

&lt;220&gt;

&lt;221&gt; sig\_peptide

&lt;222&gt; (333)...(401)

&lt;220&gt;

&lt;221&gt; mat\_peptide

&lt;222&gt; (402)...(914)

&lt;400&gt; 2

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Cys Asp Leu Pro Gln Thr His Gly Leu Leu Asn Arg Arg Ala Leu Thr
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Phe His Phe Phe Cys Thr Glu Ala Ser Ser Ser Ala Ala Trp Asn Thr
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Thr Leu Leu Glu Glu Phe Cys Thr Gly Leu Asp Arg Gln Leu Thr Arg
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&lt;211&gt; 31

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthesized oligonucleotide used in PCR to acquire the feline interferon-w gene

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31

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<210> 5  
<211> 29  
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<213> Artificial Sequence

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<223> Synthesized oligonucleotide used in PCR to acquire the sericin-1 gene promoter

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<210> 6  
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<213> Artificial Sequence

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<210> 8  
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<210> 9

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<210> 10  
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 <222> (333)...(893)

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 1 5 10 15  
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 35 40 45  
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Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys	
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Thr Thr Ala Leu Ser Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg
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Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys
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His Cys Ala Trp Thr Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr
165 170 175
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Phe Ile Asn Arg Leu Thr Gly Tyr Leu Arg Asn
180 185
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<210> 18

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized oligonucleotide used in PCR as a primer to obtain feline granulocyte colony stimulating factor gene fragment

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28

<210> 19

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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthesized oligonucleotide used in PCR as a primer to obtain feline granulocyte colony stimulating factor gene fragment

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28

&lt;210&gt; 20

&lt;211&gt; 1175

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

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&lt;223&gt; fibroin H chain promoter-feline granulocyte colony stimulating factor gene-bovine growth hormone gene poly A signal (FGB)

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (333)...(917)

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&lt;221&gt; sig\_peptide

&lt;222&gt; (333)...(401)

&lt;220&gt;

&lt;221&gt; mat\_peptide

&lt;222&gt; (402)...(917)

&lt;400&gt; 20

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&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

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&lt;220&gt;

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&lt;222&gt; (1071)...(1655)

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1166

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